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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application. Please cancel claims 1-4 without prejudice.

Listing of Claims:

Claims 1-4 (Canceled)

5. (original) In a wireless network environment comprising at least one authorized access

point, a method for containing rogue access points, the rogue access points including a

virtual carrier-sense mechanism operative to adjust a counter in response to wireless

frames transmitted from wireless stations, wherein the data frames include a duration

value, the counter controlling the transmission of frames by the rogue access point,

comprising

detecting a rogue access point,

identifying at least one authorized access point that neighbors the rogue access

point;

selecting at least one authorized access point in the identifying step;

configuring the at least one selected access point to periodically transmit wireless

frames, the data frames including a predetermined duration value, and wherein the

interval at which the data frames are periodically transmitted is less than the duration

value.

6. (original) The method of claim 5 wherein the wireless frames are transmitted on all

available frequency channels.

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7. (original) The method of claim 5 further comprising

identifying the channel on which the rogue access point is transmitting; and

wherein the wireless frames are transmitted on the identified channel.

8. (original) The method of claim 5 further comprising

identifying the channel on which the rogue access point is transmitting; and

wherein the wireless frames are transmitted on a range of channels centered on the

identified channel.

9. (previously presented) In a wireless network environment implementing a protocol

according to which wireless stations terminate connections with access points upon receipt

of de-authentication and/or disassociation frames, a method for containing rogue access

points, comprising

detecting a rogue access point, the rogue access point identified by a wireless

network address;

selecting at least one authorized access point;

emulating the rogue access point and transmitting connection-terminating frames at

a repetition interval to terminate connections between the rogue access point and the

wireless client devices associated with the rogue access point to prevent transmission of

frames between the rogue access point and the wireless client devices associated with the

rogue access point.

10. (previously presented) The method of claim 9 wherein the emulating step comprises

periodically broadcasting, at a the repetition interval, de-authentication frames,

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wherein the source address of the de-authentication frames is the wireless network $% \left(1\right) =\left(1\right) \left(1\right$

address of the detected rogue access point.

11. (original) The method of claim 10 wherein the repetition interval is heuristically

determined to prevent wireless clients from transmitting data to or receiving data from the

rogue access point.

12. (original) The method of claim 10 further comprising reducing the repetition interval

upon detection of data frames transmitted between the rogue access point and a wireless

client device.

13. (original) The method of claim 10 further comprising

periodically broadcasting, at a second repetition interval, disassociation frames,

wherein the source address of the disassociation frames is the wireless network address of

the detected rogue access point.

14. (previously presented) The method of claim 9 wherein the emulating step comprises

periodically broadcasting, at the repetition interval, disassociation frames, wherein

the source address of the disassociation frames is the wireless network address of the

detected rogue access point.

15. (previously presented) In a wireless network environment implementing a protocol

according to which wireless stations terminate connections with access points upon receipt of de-authentication and/or disassociation frames, a method for containing rogue access

points, comprising

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detecting a rogue access point, the rogue access point identified by a wireless network address:

selecting at least one authorized access point;

emulating the rogue access point and periodically broadcasting, at repetition interval, beacon frames, wherein the beacon frames announce a contention-free period, and wherein the contention-free period is greater than the repetition interval.

16. (previously presented) A rogue containment device, comprising

a network interface operably connected to a computer network to communicate with at least one wireless network access device,

a rogue containment module operative to

receive data characterizing a rogue access point;

configure one or more of the at least one wireless network access device to emulate the rogue access point and transmit connection-terminating frames at a repetition interval.

17. (original) The rogue containment device of claim 16 wherein the at least one wireless network access device is an access point.

18. (original) The rogue containment device of claim 16 wherein the at least one wireless network access device is an access element in a hierarchical wireless network system.

19. (canceled)

20. (previously presented) The rogue containment device of claim 16 wherein the

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connection terminating frames are de-authentication frames.

21. (previously presented) The rogue containment device of claim 16 wherein the

connection terminating frames are disassociation frames.

22. (previously presented) The rogue containment device of claim 16 wherein the

connection terminating frames are transmitted at a fixed repetition interval.

23. (previously presented) The rogue containment device of claim 16 wherein the

repetition interval is adjusted in response to detection of wireless traffic transmitted

between the rogue access point and a wireless client.

24. (previously presented) A wireless network system enabling a directed association

mechanism, comprising

a plurality of access elements for wireless communication with at least one remote

client element and for communication with a central control element;

a central control element for supervising at least one of said access elements,

wherein the central control element is operative to manage and control the wireless

connections between the access elements and corresponding remote client elements; and

wherein the access elements are each operative to:

establish and maintain, in an access point mode, wireless connections

with remote client elements:

switch to a scanning mode for a scanning period at a scanning interval

to detect wireless traffic.

record scan data characterizing the detected wireless traffic, and

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transmit the scan data to the central control element;

wherein the central control element is operative to

process the scan data against information relating to known access

elements to identify rogue access points,

to contain the detected rogue access point(s); and

wherein the central control element is operative to

establish a tunnel with access elements for transmission of wireless

traffic associated with corresponding remote client elements, and

bridge network traffic between a computer network and a remote

client element through a tunnel with a corresponding access element.

25. (canceled)

26. (previously presented) The system of claim 24 wherein the computer network

comprises at least one network device operative to switch or route data units between

devices connected thereto, the data units including a source address and a destination

address, wherein the at least one network device comprises at least two ports to which

other devices connect, and wherein the at least one network device is operative to store the

source addresses of the data units encountered at the ports of the at least one network

device, and

wherein the central control element is operative to

determine the address of at least one rogue client associated with the rogue

access point; and

identify the port to which the rogue access point is connected by querying,

using the addresses of the at least one rogue client, the at least one network device for the

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port at which data units sourced from the at least one rogue client were encountered.

27. (original) The system of claim 26 wherein the central control element is operative to

report the identified port to a network administrator.

28. (original) The system of claim 26 wherein the central control element is operative to

disable the identified port.

29. (previously presented) The system of claim 24 wherein the central control element is

operative to configure one or more access elements to contain the detected rogue access

point(s).

30. (original) The system of claim 29 wherein the central control element is operative to

configure one or more of the access elements to emulate the rogue access point and

transmit connection-terminating frames.

31. (original) The system of claim 30 wherein the connection terminating frames are de-

authentication frames.

32. (original) The system of claim 30 wherein the connection terminating frames are

disassociation frames

33. (original) The system of claim 30 wherein the connection terminating frames are

transmitted at a fixed repetition interval.

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34. (original) The system of claim 30 wherein the connection-terminating frames are transmitted as a repetition interval, and wherein the repetition interval is adjusted in response to detection of wireless traffic transmitted between the rogue access point and a wireless client.